

**S1 Table**

Parameter	SND		GEO		P&S	
	PC	CC	PC	CC	PC	CC
Length, $L$ (cm)	102	102	102	102	56	56
Velocity, $v$ (cm h <sup>-1</sup> )	1.7	1.7	1.5	1.5	0.3	0.3
Rate constant, zero order, $k_0$ (mg L <sup>-1</sup> h <sup>-1</sup> )	0.047	0.0	0.05	0.021	0.033	0.044
Initial nitrate concentration, $C_0$ (mg L <sup>-1</sup> )	22-47	13-35	22-47	13-35	38-57	18-73
Damköhler number, $D_a$	<b>0.056</b>	<b>0.0</b>	<b>0.068</b>	<b>0.029</b>	<b>0.12</b>	<b>0.16</b>